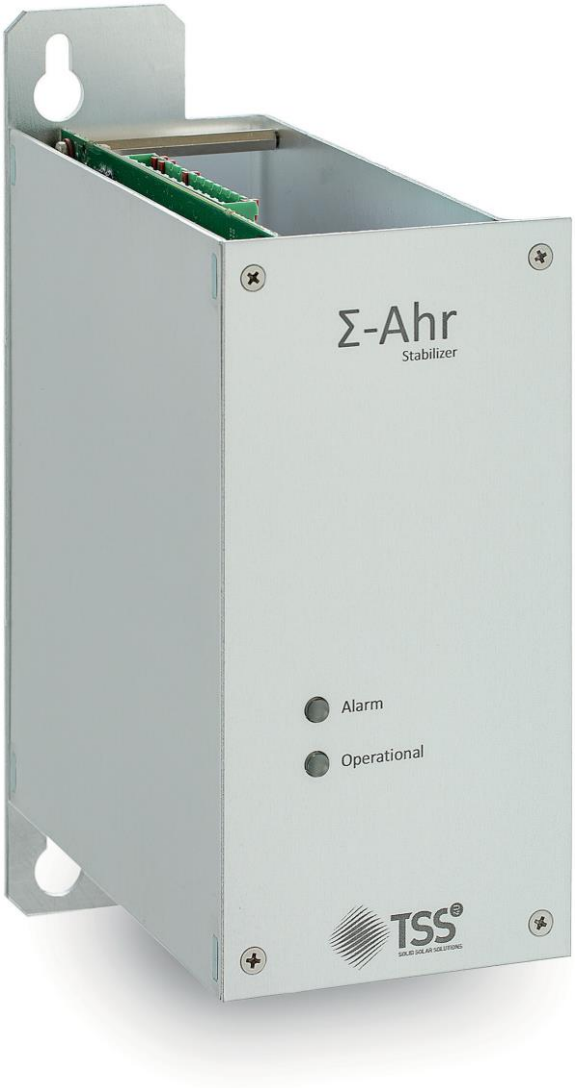
Σ-Ahr Stabilizer

This premium (non-isolated) DC/DC converter provides you with a regulated voltage of 24V (±2%), protecting your loads from over-voltage and under-voltage damage. Their high power, high efficiency characteristics make the Σ-Ahr Stabilizer your best choice for sensitive loads in harsh environments.



Over 96% efficiency

Low losses reduce the number of additional solar modules and battery capacity required, keeping overall system costs as low as possible.

High temperature resistance

Solar energy systems operate in the hottest environments. Temperatures inside the control box can easily exceed 75°C.The Σ-Ahr Stabilizer is designed to operate up to 85°C without forced cooling maintaining full power output.

Capable of handling extreme loads

The Σ-Ahr Stabilizer is able to power extreme capacitive and inductive loads, such as motors with high starting currents. It is also short circuit protected making this a truly unique product.

Compact design, high performance

The Σ-Ahr Stabilizer can handle loads of up to 1320W continuously while taking less than 1 dm^3 in space minimizing your enclosures and lowering your costs.

Versatile

The Σ-Ahr Stabilizer can be used for multiple & mixed types of loads like motors, solenoids, capacitors, valves, etc.

Creating a solid and stable solar energy system to keep you going ...Always!

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TSS-DS-025-R02

Technical Specifications

Typical specifications		
Nominal input voltage	[V]	20 - 60 Vdc
Nominal output voltage (typical)	[V]	24 Vdc ± 2%
Maximum continuous output current @ 25°C	[A]	55 A @ 25°C
Maximum continuous output current @ 85°C	[A]	55 A @ 85°C
Operating efficiency	[%]	96 %

General specifications		
Full operating temperature (without derating)	[°C]	-10°C to +85°C
Storage temperature	[°C]	-30°C to +85°C
Mounting		Indoor
Dimensions (H x W x D)	[cm]	16.0 x 8.0 x 14.6 cm
Unit weight	[kg]	1.63 kg
Standards		IEC 61000-6-2
		IEC 61000-6-4
Operating instruction		Resistive loads cannot be connected to capacitive or inductive loads at the same output